

SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes



Electromechanical Relay Switches Technical Data Sheet

PE71S6320

Features

- SP4T Absorptive Switch
- DC to 40 GHz Operating Frequency Range

Applications

- · Test & Measurement
- · Communications System
- Instrumentation

Description

The PE71S6320 is a SINGLE POLE FOUR THROW (SP4T) 50 OHM TERMINATED RF COAXIAL RELAY SWITCH that operates from DC to 40 GHz and can handle up to 3 Watts of CW input power at 40 GHz, in a Break Before Make condition. The design features a Latching Actuator with indicators, and is rated for 1M Life Cycles. Insertion Loss is specified from 0.2 dB max and Isolation from 70 dB min, with +28 Vdc operating voltage. Performance is guaranteed over -35oC to +85oC. The package interface uses solder terminals and 2.92 mm female connectors.

Electrical Specifications

Switch Type
Actuator Type
Switching Sequence
Actuator Options
TTL Control

SP4T, Absorptive Latching Break Before Make Indicators, TTL Logic, Self Cut Off, Diodes

on: "High" 2.4 to 5 Volts off: "Low" 0 to 0.8 Volts

1 M Cycles min

Description	Minimum Typica		Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Operating Voltage		28		Volts
Actuating Current @ 28 Volts		300		mA
VSWR			2:1	
Insertion Loss			1	dB
Isolation	50			dB
Input Power (CW)			3	Watts
(40 GHz)				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes PE71S6320

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451



SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes



Electromechanical Relay Switches Technical Data

PE71S6320

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12	12 to 18	18 to 26.5	26.5 to 40	GHz
VSWR, Max	1.3:1	1.4:1	1.5:1	1.7:1	2:1	
Insertion Loss, Max	0.2	0.4	0.5	0.7	1	dB
Isolation, Min	70	60	60	55	50	dB

Mechanical Specifications

Size

Length

Width/Diameter

Height

Body Material and Plating

Operating Life Switching Time

Connectors

RF Connector Type

RF Connector Contact Material and Plating

RF Connector Body Material and Plating

Environmental Specifications

Temperature

Operating Range

ESD Sensitivity

2.25 in [57.15 mm] 2.25 in [57.15 mm] 2.375 in [60.33 mm]

Aluminum, Nickel

1,000,000 Cycles

15 ms Max

2.92mm Female

Beryllium Copper, Gold

Passivated Stainless Steel

-35 to +85 deg C

ESD Sensitive Material, Transport material in Approved

ESD bags. Handle only in ESD Workstation.



Compliance Certifications (visit www.Pasternack.com for current document) Not RoHS Compliant

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes PE71S6320

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451



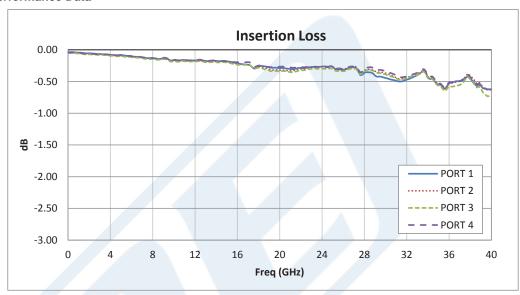
SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes

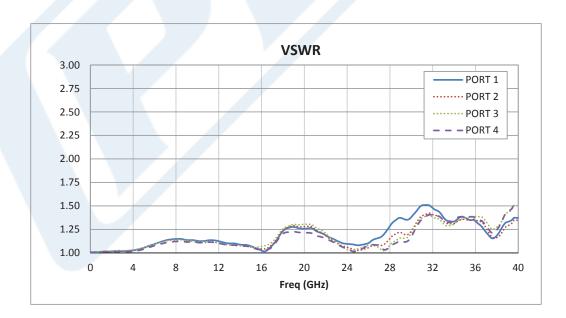


Electromechanical Relay Switches Technical Data

PE71S6320

Typical Performance Data





Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes PE71S6320

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

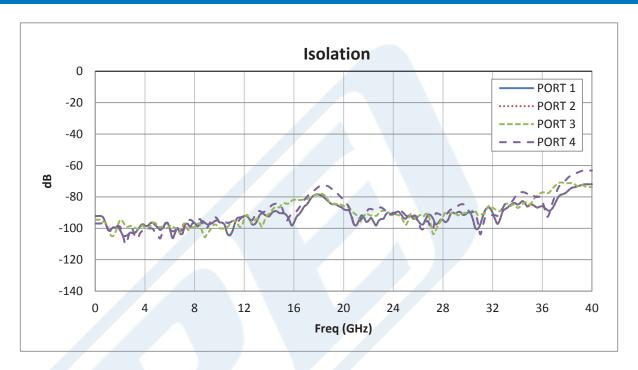


SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes



Electromechanical Relay Switches Technical Data

PE71S6320



SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes PE71S6320

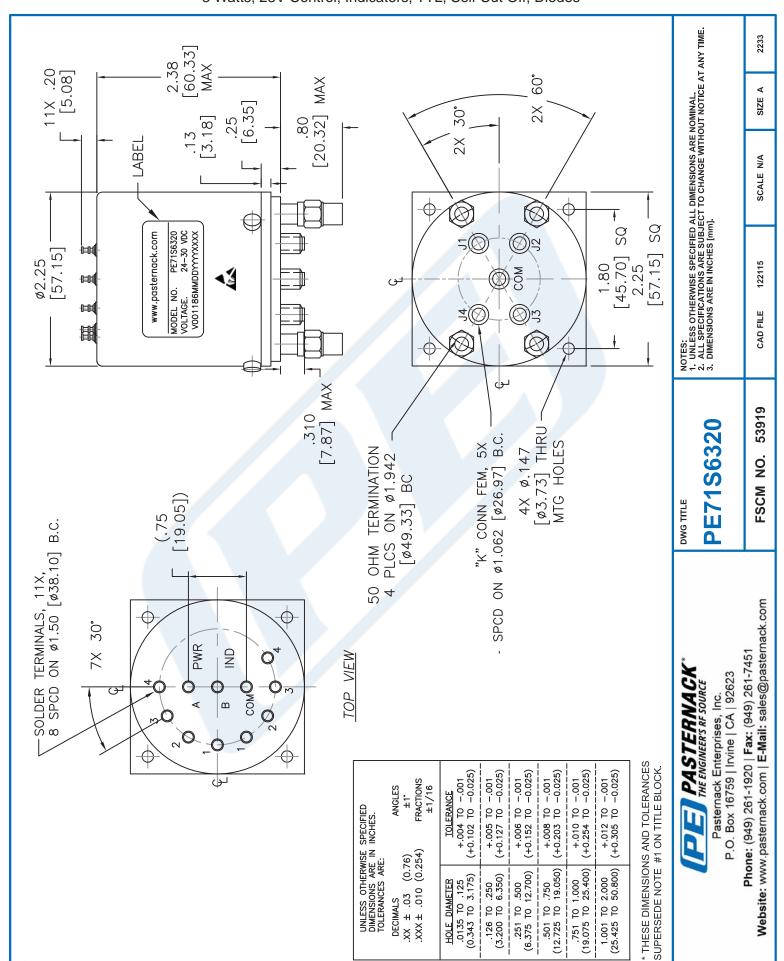
URL: http://www.pasternack.com/sma-sp4t-electromechanical-relay-switch-40-ghz-pe71s6320-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

PE71S6320 CAD Drawing

SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes



PE71S6320 CAD Drawing

SP4T Electromechanical Relay Latching Switch DC to 40 GHz, 2.92mm, 3 Watts, 28V Control, Indicators, TTL, Self Cut Off, Diodes

